

STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION
SAMPLE APPLICATION FORM

FOR RENEWABLE ENERGY SOURCE ELIGIBILITY

Pursuant to New Hampshire Admin. Code Puc 2500 Rules

NOTE: When completing this application electronically, using the "tab" key after completing each answer will move the cursor to the next blank to be filled in. If a question is not applicable to your facility, then check the box next to N/A.

Pursuant to Puc 202, the signed application shall be filed with the Executive Director and Secretary of the New Hampshire Public Utilities Commission (Commission). To ensure that your submitted application is complete, please read RSA 362-F and N.H. Code Admin. Rules Puc 2500 before filling out this application. It is the burden of the applicant to provide timely, accurate and complete information as part of the application process. Any failure by the applicant to provide information in a timely manner may result in the Commission dismissing this application without prejudice.

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1. **ELIGIBILITY CLASS APPLIED FOR:** I II III IV
2. Applicant's legal name: Clement Dam Hydroelectric LLC
3. Address:
- (1) 2845 Bristol Circle
- (2) _____
- (3) _____
- | | | |
|----------|---------|------------|
| Oakville | Ontario | L6H7H7 |
| (City) | (State) | (Zip code) |
4. Telephone number: 905-465-4519
5. Facsimile number: 905-465-4514
6. Email address: graham.agnew@algonquinpower.com
7. Facility name: Clement Dam
8. Facility location: (1) 24 Mill St.

(2) _____

Tilton (City)	NH (State)	03276 (Zip code)
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9. Latitude: 43° 26' Longitude: 71° 35'

10. The name and telephone number of the facility's operator, if different from the owner: Same

_____ (Name) _____ (Telephone number)

11. The ISO-New England asset identification number, if applicable: 863 or N/A:

12. The GIS facility code, if applicable: _____ or N/A:

13. A description of the facility, including fuel type, gross nameplate generation capacity, the initial commercial operation date, and the date it began operation, if different.

14. If Class I certification is sought for a generation facility that uses biomass, the applicant shall submit:

- (a) quarterly average NOx emission rates over the past rolling year,
- (b) the most recent average particulate matter emission rates as required by the New Hampshire Department of Environmental Services (NHDES),
- (c) a description of the pollution control equipment or proposed practices for compliance with such requirements,
- (d) proof that a copy of the completed application has been filed with the NHDES, and
- (e) conduct a stack test to verify compliance with the emission standard for particulate matter no later than 12 months prior to the end of the subject calendar quarter except as provided for in RSA 362-F:12, II.
- (f) N/A: Class I certification is NOT being sought for a generation facility that uses biomass.

15. If Class I certification is sought for the incremental new production of electricity by a generation facility that uses biomass, methane or hydroelectric technologies to produce energy, the applicant shall:

- (a) demonstrate that it has made capital investments after January 1, 2006 with the successful purpose of improving the efficiency or increasing the output of renewable energy from the facility, and
- (b) supply the historical generation baseline as defined in RSA 362-F:2, X.
- (c) N/A: Class I certification is NOT being sought for the incremental new production of electricity by a generation facility that uses biomass, methane or hydroelectric technologies.

16. If Class I certification is sought for repowered Class III or Class IV sources, the applicant shall:

- (a) demonstrate that it has made new capital investments for the purpose of restoring unusable generation capacity or adding to the existing capacity, in light of the NHDES environmental permitting requirements or otherwise, and

- (b) provide documentation that eighty percent of its tax basis in the resulting plant and equipment of the eligible generation capacity, including the NHDES permitting requirements for new plants, but exclusive of any tax basis in real property and intangible assets, is derived from the new capital investments.
- (c) N/A: Class I certification is NOT being sought for repowered Class III or Class IV sources.
17. If Class I certification is sought for formerly nonrenewable energy electric generation facilities, the applicant shall:
- (a) demonstrate that it has made new capital investments for the purpose of repowering with eligible biomass technologies or methane gas and complies with the certification requirements of Puc 2505.04, if using biomass fuels, and
- (b) provide documentation that eighty percent of its tax basis in the resulting generation unit, including NHDES permitting requirements for new plants, but exclusive of any tax basis in real property and intangible assets, is derived from the new capital investments.
- (c) N/A: Class I certification is NOT being sought for formerly nonrenewable energy electric generation facilities.
18. If Class IV certification is sought for an existing small hydroelectric facility, the applicant shall submit proof that:
- (a) it has installed upstream and downstream diadromous fish passages that have been required and approved under the terms of its license or exemption from the Federal Energy Regulatory Commission, and
- (b) when required, has documented applicable state water quality certification pursuant to section 401 of the Clean Water Act for hydroelectric projects.
- (c) N/A: Class I certification is NOT being sought for existing small hydroelectric facilities.
19. If the source is located in a control area adjacent to the New England control area, the applicant shall submit proof that the energy is delivered within the New England control area and such delivery is verified using the documentation required in Puc 2504.01(a)(2) a. to e.
20. All other necessary regulatory approvals, including any reviews, approvals or permits required by the NHDES or the environmental protection agency in the facility's state.
21. Proof that the applicant either has an approved interconnection study on file with the commission, is a party to a currently effective interconnection agreement, or is otherwise not required to undertake an interconnection study.
22. A description of how the generation facility is connected to the regional power pool of the local electric distribution utility.
23. A statement as to whether the facility has been certified under another non-federal jurisdiction's renewable portfolio standard and proof thereof.
24. A statement as to whether the facility's output has been verified by ISO-New England.

25. A description of how the facility's output is reported to the GIS if not verified by ISO-New England.
26. An affidavit by the owner attesting to the accuracy of the contents of the application.
27. Such other information as the applicant wishes to provide to assist in classification of the generating facility.
28. This application and all future correspondence should be sent to:
Ms. Debra A. Howland
Executive Director and Secretary
State of New Hampshire
Public Utilities Commission
21 S. Fruit St, Suite 10
Concord, NH 03301-2429

29. Preparer's information:

Name: Graham Agnew

Title: Manager, Contract Administration and Operations Analysis

Address: (1) Algonquin Power

(2) 2845 Bristol Circle

(3) _____

Oakville
(City)

Ontario
(State)

L6H7H7
(Zip code)

30. Preparer's signature:

Graham Agnew FEB 6 /09

Head Office - Algonquin Power **2845 Bristol Circle, Oakville Ontario, Canada L6H 7H7**
905-465-4500 – General Line **905-465-4519 – Graham Agnew direct**

All Companies below use the Oakville address as the Owner address

None of these sites below has been certified under **another** non-federal jurisdiction's renewable energy portfolio standard. The attached letter from PSNH verifies this.

Clement Dam Hydroelectric LLC (Clement Dam GS) (SESD#039)(ISO 863)

Location: Tilton, NH

Market Area: Real Time Hourly LMP 4002 .Z. NEWHAMPSHIRE – LOAD ZONE

Gross Capacity: 2400kW

In Service Date: March 1984

The Clement Hydroelectric Station is located on the Winnipesaukee River approximately five miles upstream from its confluence with the Pemigewasset River and near the Town of Tilton, New Hampshire. The facility is rated at 2,400 kilowatts and was constructed in 1984 at the location of an existing 120 foot wide dam and includes a 275 foot steel penstock which is 12 feet in diameter. The site is connected at 3 phase 34.5kV.

The site is currently being paid at the open market rates from the ISO ID and market zone listed above. A small monthly capacity payment is also being paid as laid out in the PURPA regulations.

COMPETITIVELY SENSITIVE INFORMATION WHEN COMPLETED

Affidavit

I, Graham Agnew, Hydraulics Team Leader, of full age, being duly sworn according to law, depose and say:

1. I am **Graham Agnew** of Algonquin Power and as such I am fully aware of the facts set forth herein and I am authorized to make this affidavit;
2. Algonquin Power as the Owner/Operator of these sites is mandated to submit an application in the New Hampshire Code of Administrative Rules under the PUC Section 2505.02 Application Requirements (a) and (b);
3. This Affidavit is to verify the accuracy of the contents of this application.

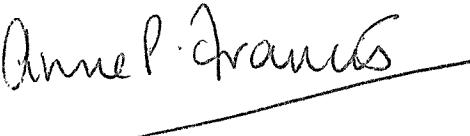

Signature

JAN 2, 2009
Date

Graham Agnew
Name

MANAGER, CONTINENTAL ADMINISTRATION
Title

Hydraulics Team Leader

Notary's Signature	
ANNE PATRICIA FRANCIS, A COMMISSIONER, ETC., REGIONAL MUNICIPALITY OF HALTON, FOR ALGONQUIN POWER INCOME FUND, EXPIRES JANUARY 14, 2011	
	

COMPETITIVELY SENSITIVE INFORMATION WHEN COMPLETED

Graham Agnew

From: cecchd@nu.com
Sent: August 5, 2008 12:18 PM
To: Graham Agnew
Cc: frasemf@nu.com; vogelcn@nu.com
Subject: RE: ISO-NE GIS or ID numbers

Graham,

All New England projects are listed in the ISO/NEPOOL GIS system. The project owner (Algonquin) has the right to have this account placed in their control otherwise, ISO requires the host utility to be the account holder. You will need to call customer service at ISO-NE on how to proceed.
In looking at the facilities on the GIS website, there is no Renewable Energy information entered.

Diane Cecchetti
Analyst
Supplemental Energy Sources
Public Service Co of N.H.
(603) 634-2888
(603) 634-2449 Fax

"Graham Agnew"
<Graham.Agnew@algonquinpower.com>

Diane G. Cecchetti/NUS@NU

To

07/28/2008 04:02
PM

cc

RE: ISO-NE GIS or ID numbers

Subject

Hi Diane, yes I am putting together an application package and a part of the requirements for this package is:

"a statement as to whether the facility has been certified under another non-federal jurisdiction's renewable portfolio standard and proof thereof".

How would you suggest I get this proof?

Regards,

Graham Agnew
Hydraulics Team Leader
Algonquin Power Systems
graham.agnew@algonquinpower.com
905-465-4519
905-465-4514 - fax

-----Original Message-----

From: cecchd@nu.com [mailto:cecchd@nu.com]
Sent: July 28, 2008 3:34 PM
To: Graham Agnew

Subject: RE: ISO-NE GIS or ID numbers

Algonquin would be responsible to register and manage these types of accounts. PSNH would only get involved after registration, therefore I would refer you to www.nepoolgis.com or

GIS Program and System Questions Contact:

GIS Administrator- Bryan Gower

Tel: 408-517-2118

Fax: 408-517-2985

gis@apx.com

OR

24 Hr Help Desk- 1-800-924-9889

Diane Cecchetti
Analyst
Supplemental Energy Sources
Public Service Co of N.H.
(603) 634-2888
(603) 634-2449 Fax

"Graham Agnew"

<Graham.Agnew@algonquinpower.com>

To

Diane G. Cecchetti/NUS@NU

cc

07/28/2008 11:42

AM

Subject

RE: ISO-NE GIS or ID numbers

SMALL POWER PRODUCER GENERATION

Bvw # 601.7.3



**Public Service
of New Hampshire**

Public Service of New Hampshire
Supplemental Energy Sources Department
PO Box 330
Manchester, NH 03105-0330

Clement Dam

SESD # **039**
Billing Period: **May 2008**

Clement Dam
c/oAlgonquin Power Fund (America) Inc.
2845 Bristol Circle
Oakville, Ontario, Canada L6H 7H7

Invoice Date	06/03/2008
Expected Payment Date	06/24/2008
P.O/Acct #	S00002732
Release #	
Tel #	905-465-4519
Fax # or Email	905-465-4514

Delivery Period: 05/01/2008 through 05/31/2008

Total Generation Delivered (Kwhrs) **1,126,365**

Total Short Term Energy Payment **\$ 118,451.50**

The weighted average hourly price for this invoice equals 10.52 c/Kwhr

Seasonal Claimed Capability	EFORD	Monthly Capacity	Rate \$/Kw-mo
2400	0.0462	2289	\$3.05
2400	x (1 - 0.0462)	= 2289.12 x 3.05 =	\$6,981.82
			Adjustments \$0.00
			Total Payment Due \$ 125,433.32

The Energy Payment is based upon the attached hourly NH Zone ISO Clearing Prices.

Notes Included in this invoice is the FCM Value for your project in March as credited by ISO-NE

Approved by: Diane Cecchetti

Date: JUN 04 2008

Please Approve and Submit this Invoice to:

Danielle Martineau
PSNH, PO Box 330
Manchester, NH 03105-0330

Please contact Diane Cecchetti at PSNH (603-634-2888), FAX (603-634-2449) with questions.

CLEMENT DAM 05/01/08 0000 TO 05/31/08 2400
SESD #039

Energy Payment
\$118,451.50

				Total KW-hrs	1,126,365
DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080501	1	2069.375	84.11	8.411	174.06
20080501	2	2061.500	85.67	8.567	176.61
20080501	3	2048.375	84.37	8.437	172.82
20080501	4	2023.875	80.33	8.033	162.58
20080501	5	2021.250	56.21	5.621	113.61
20080501	6	2009.000	84.23	8.423	169.22
20080501	7	2001.125	97.21	9.721	194.53
20080501	8	2044.000	99.76	9.976	203.91
20080501	9	2092.125	98.90	9.890	206.91
20080501	10	2088.625	99.93	9.993	208.72
20080501	11	2084.250	101.68	10.168	211.93
20080501	12	2079.875	98.53	9.853	204.93
20080501	13	2079.000	104.49	10.449	217.23
20080501	14	2079.875	97.92	9.792	203.66
20080501	15	2080.750	96.24	9.624	200.25
20080501	16	2080.750	92.16	9.216	191.76
20080501	17	2082.500	98.38	9.838	204.88
20080501	18	2078.125	96.60	9.660	200.75
20080501	19	2078.125	89.05	8.905	185.06
20080501	20	2076.375	92.72	9.272	192.52
20080501	21	2076.375	130.09	13.009	270.12
20080501	22	2079.000	130.68	13.068	271.68
20080501	23	2078.125	85.24	8.524	177.14
20080501	24	2077.250	72.80	7.280	151.22
20080502	1	2077.250	77.57	7.757	161.13
20080502	2	2076.375	78.25	7.825	162.48
20080502	3	2075.500	79.42	7.942	164.84
20080502	4	2074.625	79.14	7.914	164.19
20080502	5	2072.875	81.70	8.170	169.35
20080502	6	2072.000	75.60	7.560	156.64
20080502	7	2068.500	100.21	10.021	207.28
20080502	8	2065.875	114.09	11.409	235.70
20080502	9	2065.000	118.74	11.874	245.20
20080502	10	2061.500	132.23	13.223	272.59
20080502	11	2059.750	119.42	11.942	245.98
20080502	12	2057.125	180.23	18.023	370.76
20080502	13	2058.000	124.68	12.468	256.59
20080502	14	2058.875	102.86	10.286	211.78
20080502	15	2058.000	119.75	11.975	246.45
20080502	16	2058.000	149.06	14.906	306.77
20080502	17	2058.000	158.00	15.800	325.16
20080502	18	2058.000	148.34	14.834	305.28
20080502	19	2056.250	112.54	11.254	231.41
20080502	20	2055.375	142.66	14.266	293.22
20080502	21	2054.500	175.33	17.533	360.22
20080502	22	2072.000	95.40	9.540	197.67
20080502	23	2083.375	96.13	9.613	200.27
20080502	24	2080.750	131.70	13.170	274.03
20080503	1	2086.000	123.54	12.354	257.70
20080503	2	2081.625	83.45	8.345	173.71
20080503	3	2085.125	100.32	10.032	209.18
20080503	4	2085.125	89.25	8.925	186.10
20080503	5	2086.875	93.89	9.389	195.94
20080503	6	2085.125	102.72	10.272	214.18

#039 Clement Dam

DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080503	7	2083.375	113.44	11.344	236.34
20080503	8	2083.375	84.58	8.458	176.21
20080503	9	2085.125	99.48	9.948	207.43
20080503	10	2082.500	150.06	15.006	312.50
20080503	11	2082.500	372.93	37.293	776.63
20080503	12	2082.500	198.24	19.824	412.83
20080503	13	2062.375	104.99	10.499	216.53
20080503	14	2052.750	108.88	10.888	223.50
20080503	15	2063.250	84.51	8.451	174.37
20080503	16	2059.750	85.85	8.585	176.83
20080503	17	2046.625	88.25	8.825	180.61
20080503	18	2037.875	90.92	9.092	185.28
20080503	19	2030.000	91.75	9.175	186.25
20080503	20	2023.000	104.12	10.412	210.63
20080503	21	2016.875	91.53	9.153	184.60
20080503	22	2010.750	117.15	11.715	235.56
20080503	23	2009.000	90.72	9.072	182.26
20080503	24	2008.125	85.01	8.501	170.71
20080504	1	2009.000	94.04	9.404	188.93
20080504	2	2004.625	96.39	9.639	193.23
20080504	3	2001.125	89.45	8.945	179.00
20080504	4	2001.125	95.97	9.597	192.05
20080504	5	1995.875	87.97	8.797	175.58
20080504	6	1990.625	83.96	8.396	167.13
20080504	7	1983.625	100.51	10.051	199.37
20080504	8	1989.750	76.95	7.695	153.11
20080504	9	1999.375	81.42	8.142	162.79
20080504	10	1999.375	82.89	8.289	165.73
20080504	11	1995.875	87.15	8.715	173.94
20080504	12	1995.000	98.45	9.845	196.41
20080504	13	2001.125	112.51	11.251	225.15
20080504	14	2009.000	135.03	13.503	271.28
20080504	15	2009.875	99.26	9.926	199.50
20080504	16	2011.625	93.95	9.395	188.99
20080504	17	2011.625	112.27	11.227	225.85
20080504	18	2009.000	120.15	12.015	241.38
20080504	19	2009.875	106.55	10.655	214.15
20080504	20	2007.250	118.17	11.817	237.20
20080504	21	2006.375	141.27	14.127	283.44
20080504	22	2007.250	120.89	12.089	242.66
20080504	23	2006.375	92.05	9.205	184.69
20080504	24	2005.500	75.21	7.521	150.83
20080505	1	2009.000	78.64	7.864	157.99
20080505	2	2008.125	82.20	8.220	165.07
20080505	3	2008.125	80.49	8.049	161.63
20080505	4	2008.125	86.11	8.611	172.92
20080505	5	2006.375	91.96	9.196	184.51
20080505	6	2005.500	102.96	10.296	206.49
20080505	7	2004.625	144.49	14.449	289.65
20080505	8	2004.625	170.92	17.092	342.63
20080505	9	2003.750	244.10	24.410	489.12
20080505	10	2002.000	179.90	17.990	360.16
20080505	11	1999.375	159.78	15.978	319.46
20080505	12	1999.375	201.99	20.199	403.85
20080505	13	1998.500	250.89	25.089	501.40
20080505	14	1997.625	226.84	22.684	453.14
20080505	15	1996.750	247.93	24.793	495.05
20080505	16	1995.000	267.49	26.749	533.64
20080505	17	1995.875	226.09	22.609	451.25

#039 Clement Dam

DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080505	18	1992.375	135.72	13.572	270.41
20080505	19	1992.375	132.54	13.254	264.07
20080505	20	1992.375	169.28	16.928	337.27
20080505	21	1993.250	165.29	16.529	329.46
20080505	22	1991.500	186.38	18.638	371.18
20080505	23	1988.875	103.23	10.323	205.31
20080505	24	1987.125	96.65	9.665	192.06
20080506	1	1981.875	93.91	9.391	186.12
20080506	2	1976.625	145.05	14.505	286.71
20080506	3	1968.750	87.63	8.763	172.52
20080506	4	1961.750	85.62	8.562	167.97
20080506	5	1959.125	86.32	8.632	169.11
20080506	6	1956.500	90.56	9.056	177.18
20080506	7	1952.125	152.37	15.237	297.45
20080506	8	1953.000	146.03	14.603	285.20
20080506	9	2024.750	180.84	18.084	366.16
20080506	10	2002.875	240.73	24.073	482.15
20080506	11	1999.375	180.04	18.004	359.97
20080506	12	1989.750	160.10	16.010	318.56
20080506	13	2004.625	166.94	16.694	334.65
20080506	14	2008.125	192.14	19.214	385.84
20080506	15	2008.125	174.43	17.443	350.28
20080506	16	2007.250	263.94	26.394	529.79
20080506	17	2005.500	228.84	22.884	458.94
20080506	18	2003.750	201.71	20.171	404.18
20080506	19	2002.875	139.96	13.996	280.32
20080506	20	2002.875	147.84	14.784	296.11
20080506	21	2001.125	247.19	24.719	494.66
20080506	22	2000.250	203.85	20.385	407.75
20080506	23	1997.625	98.45	9.845	196.67
20080506	24	1997.625	127.51	12.751	254.72
20080507	1	1996.750	90.43	9.043	180.57
20080507	2	1996.750	87.72	8.772	175.15
20080507	3	1995.875	86.34	8.634	172.32
20080507	4	1995.000	85.02	8.502	169.61
20080507	5	1995.000	85.34	8.534	170.25
20080507	6	1995.875	104.16	10.416	207.89
20080507	7	1995.000	198.34	19.834	395.69
20080507	8	1995.000	257.95	25.795	514.61
20080507	9	1994.125	281.75	28.175	561.84
20080507	10	1991.500	339.96	33.996	677.03
20080507	11	1994.125	232.93	23.293	464.49
20080507	12	1291.500	328.20	32.820	423.87
20080507	13	2058.000	242.92	24.292	499.93
20080507	14	2053.625	305.08	30.508	626.52
20080507	15	2086.875	163.86	16.386	341.96
20080507	16	2120.125	148.13	14.813	314.05
20080507	17	2122.750	173.94	17.394	369.23
20080507	18	1969.625	228.13	22.813	449.33
20080507	19	1929.375	129.52	12.952	249.89
20080507	20	1917.125	176.84	17.684	339.02
20080507	21	1908.375	240.90	24.090	459.73
20080507	22	1895.250	159.33	15.933	301.97
20080507	23	1886.500	105.73	10.573	199.46
20080507	24	1881.250	91.22	9.122	171.61
20080508	1	1872.500	92.70	9.270	173.58
20080508	2	1867.250	87.47	8.747	163.33
20080508	3	1862.000	37.72	3.772	70.23
20080508	4	1859.375	41.92	4.192	77.95

#039 Clement Dam

DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080508	5	1854.125	79.87	7.987	148.09
20080508	6	1851.500	85.98	8.598	159.19
20080508	7	1848.875	89.57	8.957	165.60
20080508	8	1844.500	116.44	11.644	214.77
20080508	9	1843.625	150.09	15.009	276.71
20080508	10	1838.375	155.87	15.587	286.55
20080508	11	1841.000	150.41	15.041	276.90
20080508	12	1917.125	143.87	14.387	275.82
20080508	13	1884.750	149.35	14.935	281.49
20080508	14	1886.500	125.04	12.504	235.89
20080508	15	2077.250	139.50	13.950	289.78
20080508	16	2142.875	142.29	14.229	304.91
20080508	17	2142.000	113.43	11.343	242.97
20080508	18	2140.250	95.70	9.570	204.82
20080508	19	2136.750	96.71	9.671	206.65
20080508	20	2135.875	88.24	8.824	188.47
20080508	21	2138.500	116.57	11.657	249.28
20080508	22	2136.750	95.86	9.586	204.83
20080508	23	2136.750	54.68	5.468	116.84
20080508	24	2138.500	61.22	6.122	130.92
20080509	1	2135.875	43.48	4.348	92.87
20080509	2	2134.125	59.69	5.969	127.39
20080509	3	2135.000	30.77	3.077	65.69
20080509	4	2135.000	0.00	0.000	0.00
20080509	5	2135.875	18.53	1.853	39.58
20080509	6	2131.500	44.53	4.453	94.92
20080509	7	2130.625	84.43	8.443	179.89
20080509	8	2133.250	98.70	9.870	210.55
20080509	9	2134.125	90.55	9.055	193.25
20080509	10	2134.125	90.43	9.043	192.99
20080509	11	2135.875	92.75	9.275	198.10
20080509	12	2135.000	100.17	10.017	213.86
20080509	13	2135.000	90.72	9.072	193.69
20080509	14	2135.875	91.92	9.192	196.33
20080509	15	2135.875	89.46	8.946	191.08
20080509	16	2135.875	91.47	9.147	195.37
20080509	17	2135.875	90.11	9.011	192.46
20080509	18	2135.875	90.78	9.078	193.89
20080509	19	2136.750	90.42	9.042	193.20
20080509	20	2137.625	92.93	9.293	198.65
20080509	21	2137.625	101.12	10.112	216.16
20080509	22	2137.625	93.11	9.311	199.03
20080509	23	2136.750	84.54	8.454	180.64
20080509	24	2137.625	82.79	8.279	176.97
20080510	1	2136.750	85.73	8.573	183.18
20080510	2	2135.875	106.17	10.617	226.77
20080510	3	2137.625	76.03	7.603	162.52
20080510	4	2136.750	67.54	6.754	144.32
20080510	5	2136.750	59.16	5.916	126.41
20080510	6	2135.875	86.79	8.679	185.37
20080510	7	2135.875	88.33	8.833	188.66
20080510	8	2136.750	103.78	10.378	221.75
20080510	9	2137.625	101.80	10.180	217.61
20080510	10	2138.500	88.10	8.810	188.40
20080510	11	2138.500	130.74	13.074	279.59
20080510	12	2139.375	176.66	17.666	377.94
20080510	13	2140.250	88.46	8.846	189.33
20080510	14	2145.500	88.96	8.896	190.86
20080510	15	2144.625	90.05	9.005	193.12

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DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080510	16	2146.375	86.74	8.674	186.18
20080510	17	2148.125	87.33	8.733	187.60
20080510	18	2148.125	87.83	8.783	188.67
20080510	19	2147.250	82.39	8.239	176.91
20080510	20	2147.250	84.99	8.499	182.49
20080510	21	2149.000	92.87	9.287	199.58
20080510	22	2147.250	89.24	8.924	191.62
20080510	23	2147.250	83.51	8.351	179.32
20080510	24	2148.125	82.59	8.259	177.41
20080511	1	2148.125	78.04	7.804	167.64
20080511	2	2149.000	71.11	7.111	152.82
20080511	3	2149.000	76.66	7.666	164.74
20080511	4	2149.000	81.28	8.128	174.67
20080511	5	2148.125	85.67	8.567	184.03
20080511	6	2148.125	53.48	5.348	114.88
20080511	7	2145.500	61.30	6.130	131.52
20080511	8	2144.625	45.66	4.566	97.92
20080511	9	2149.000	79.68	7.968	171.23
20080511	10	2149.000	88.46	8.846	190.10
20080511	11	2149.000	96.31	9.631	206.97
20080511	12	2149.000	84.75	8.475	182.13
20080511	13	2149.000	83.59	8.359	179.63
20080511	14	2146.375	78.13	7.813	167.70
20080511	15	2143.750	88.81	8.881	190.39
20080511	16	2144.625	85.39	8.539	183.13
20080511	17	2145.500	66.49	6.649	142.65
20080511	18	2143.750	86.63	8.663	185.71
20080511	19	2145.500	72.88	7.288	156.36
20080511	20	2147.250	90.44	9.044	194.20
20080511	21	2147.250	132.98	13.298	285.54
20080511	22	2147.250	107.95	10.795	231.80
20080511	23	2147.250	84.78	8.478	182.04
20080511	24	2148.125	53.97	5.397	115.93
20080512	1	2146.375	71.37	7.137	153.19
20080512	2	2147.250	78.00	7.800	167.49
20080512	3	2144.625	80.65	8.065	172.96
20080512	4	2146.375	75.30	7.530	161.62
20080512	5	2144.625	59.71	5.971	128.06
20080512	6	2145.500	49.91	4.991	107.08
20080512	7	2145.500	79.90	7.990	171.43
20080512	8	2145.500	108.42	10.842	232.62
20080512	9	2145.500	109.61	10.961	235.17
20080512	10	2146.375	96.15	9.615	206.37
20080512	11	2146.375	134.71	13.471	289.14
20080512	12	2146.375	108.93	10.893	233.80
20080512	13	2145.500	95.01	9.501	203.84
20080512	14	2141.125	111.53	11.153	238.80
20080512	15	2137.625	97.04	9.704	207.44
20080512	16	2135.000	92.40	9.240	197.27
20080512	17	2130.625	91.02	9.102	193.93
20080512	18	2128.000	93.58	9.358	199.14
20080512	19	2127.125	102.57	10.257	218.18
20080512	20	2148.125	116.56	11.656	250.39
20080512	21	2148.125	135.80	13.580	291.72
20080512	22	2148.125	103.91	10.391	223.21
20080512	23	2146.375	87.19	8.719	187.14
20080512	24	2145.500	82.79	8.279	177.63
20080513	1	2145.500	68.15	6.815	146.22
20080513	2	2144.625	69.87	6.987	149.84

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DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080513	3	2143.750	86.56	8.656	185.56
20080513	4	2142.875	98.14	9.814	210.30
20080513	5	2141.125	103.69	10.369	222.01
20080513	6	2139.375	67.20	6.720	143.77
20080513	7	2139.375	96.70	9.670	206.88
20080513	8	2138.500	135.32	13.532	289.38
20080513	9	2139.375	107.21	10.721	229.36
20080513	10	2141.125	90.69	9.069	194.18
20080513	11	2141.125	91.94	9.194	196.86
20080513	12	2134.125	97.26	9.726	207.56
20080513	13	2130.625	90.01	9.001	191.78
20080513	14	2147.250	92.74	9.274	199.14
20080513	15	2143.750	96.08	9.608	205.97
20080513	16	2139.375	93.68	9.368	200.42
20080513	17	2132.375	103.14	10.314	219.93
20080513	18	2108.750	107.77	10.777	227.26
20080513	19	2113.125	93.24	9.324	197.03
20080513	20	2167.375	94.17	9.417	204.10
20080513	21	2168.250	99.78	9.978	216.35
20080513	22	2166.500	105.16	10.516	227.83
20080513	23	2164.750	80.12	8.012	173.44
20080513	24	2163.000	79.54	7.954	172.05
20080514	1	2163.875	77.69	7.769	168.11
20080514	2	2161.250	67.65	6.765	146.21
20080514	3	2159.500	81.23	8.123	175.42
20080514	4	2158.625	87.54	8.754	188.97
20080514	5	2157.750	79.89	7.989	172.38
20080514	6	2158.625	85.92	8.592	185.47
20080514	7	2156.875	122.36	12.236	263.92
20080514	8	2156.000	152.10	15.210	327.93
20080514	9	2154.250	102.55	10.255	220.92
20080514	10	2151.625	107.64	10.764	231.60
20080514	11	2151.625	88.69	8.869	190.83
20080514	12	2164.750	92.77	9.277	200.82
20080514	13	2158.625	99.66	9.966	215.13
20080514	14	2108.750	115.43	11.543	243.41
20080514	15	2080.750	111.35	11.135	231.69
20080514	16	2054.500	136.25	13.625	279.93
20080514	17	2107.000	129.69	12.969	273.26
20080514	18	2187.500	102.01	10.201	223.15
20080514	19	2181.375	98.29	9.829	214.41
20080514	20	2179.625	105.29	10.529	229.49
20080514	21	2208.500	141.51	14.151	312.52
20080514	22	2206.750	124.30	12.430	274.30
20080514	23	2203.250	128.18	12.818	282.41
20080514	24	2200.625	92.58	9.258	203.73
20080515	1	2197.125	83.12	8.312	182.63
20080515	2	2195.375	72.56	7.256	159.30
20080515	3	2192.750	93.62	9.362	205.29
20080515	4	2190.125	86.57	8.657	189.60
20080515	5	2186.625	87.21	8.721	190.70
20080515	6	2173.500	85.77	8.577	186.42
20080515	7	2161.250	82.46	8.246	178.22
20080515	8	2156.875	100.40	10.040	216.55
20080515	9	2147.250	125.87	12.587	270.27
20080515	10	2147.250	118.54	11.854	254.54
20080515	11	2142.875	130.89	13.089	280.48
20080515	12	2136.750	96.33	9.633	205.83
20080515	13	2135.875	95.21	9.521	203.36

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DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080515	14	2160.375	91.81	9.181	198.34
20080515	15	2180.500	96.57	9.657	210.57
20080515	16	2174.375	112.95	11.295	245.60
20080515	17	2160.375	125.58	12.558	271.30
20080515	18	2156.875	119.66	11.966	258.09
20080515	19	2156.000	106.27	10.627	229.12
20080515	20	2155.125	100.36	10.036	216.29
20080515	21	2154.250	150.65	15.065	324.54
20080515	22	2148.125	113.33	11.333	243.45
20080515	23	2145.500	88.71	8.871	190.33
20080515	24	2144.625	74.65	7.465	160.10
20080516	1	2142.000	82.10	8.210	175.86
20080516	2	2142.000	77.81	7.781	166.67
20080516	3	2139.375	65.65	6.565	140.45
20080516	4	2136.750	84.65	8.465	180.88
20080516	5	2136.750	79.04	7.904	168.89
20080516	6	2135.000	73.84	7.384	157.65
20080516	7	2133.250	99.34	9.934	211.92
20080516	8	2133.250	120.00	12.000	255.99
20080516	9	2128.875	128.74	12.874	274.07
20080516	10	2126.250	144.57	14.457	307.39
20080516	11	2178.750	165.56	16.556	360.71
20080516	12	2165.625	131.71	13.171	285.23
20080516	13	2138.500	125.69	12.569	268.79
20080516	14	2128.000	108.09	10.809	230.02
20080516	15	2114.000	97.85	9.785	206.85
20080516	16	2105.250	91.33	9.133	192.27
20080516	17	2096.500	95.22	9.522	199.63
20080516	18	2084.250	92.15	9.215	192.06
20080516	19	2075.500	91.37	9.137	189.64
20080516	20	2079.000	95.81	9.581	199.19
20080516	21	2076.375	97.25	9.725	201.93
20080516	22	2071.125	88.28	8.828	182.84
20080516	23	2064.125	34.03	3.403	70.24
20080516	24	2063.250	77.15	7.715	159.18
20080517	1	2053.625	84.18	8.418	172.87
20080517	2	2061.500	103.24	10.324	212.83
20080517	3	2051.875	84.16	8.416	172.69
20080517	4	2052.750	71.90	7.190	147.59
20080517	5	2050.125	82.32	8.232	168.77
20080517	6	2044.875	87.26	8.726	178.44
20080517	7	2044.875	63.79	6.379	130.44
20080517	8	2042.250	63.77	6.377	130.23
20080517	9	2038.750	97.87	9.787	199.53
20080517	10	2030.875	109.93	10.993	223.25
20080517	11	2030.875	103.20	10.320	209.59
20080517	12	2023.000	86.50	8.650	174.99
20080517	13	2023.000	118.65	11.865	240.03
20080517	14	2023.875	99.43	9.943	201.23
20080517	15	2023.875	99.72	9.972	201.82
20080517	16	2016.875	109.19	10.919	220.22
20080517	17	2019.500	119.15	11.915	240.62
20080517	18	2016.875	121.19	12.119	244.43
20080517	19	2016.000	104.71	10.471	211.10
20080517	20	2014.250	109.80	10.980	221.16
20080517	21	2012.500	148.75	14.875	299.36
20080517	22	2020.375	109.58	10.958	221.39
20080517	23	2016.000	85.30	8.530	171.96
20080517	24	2016.875	84.29	8.429	170.00

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DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080518	1	2016.000	86.52	8.652	174.42
20080518	2	2009.000	85.35	8.535	171.47
20080518	3	2009.875	84.40	8.440	169.63
20080518	4	2012.500	116.20	11.620	233.85
20080518	5	2007.250	82.89	8.289	166.38
20080518	6	2008.125	81.46	8.146	163.58
20080518	7	2002.000	90.40	9.040	180.98
20080518	8	2003.750	86.75	8.675	173.83
20080518	9	2002.000	122.79	12.279	245.83
20080518	10	2000.250	129.10	12.910	258.23
20080518	11	2002.875	114.89	11.489	230.11
20080518	12	1997.625	128.23	12.823	256.16
20080518	13	1998.500	139.75	13.975	279.29
20080518	14	1995.875	118.58	11.858	236.67
20080518	15	1993.250	113.72	11.372	226.67
20080518	16	1993.250	120.70	12.070	240.59
20080518	17	1992.375	148.74	14.874	296.35
20080518	18	1991.500	204.62	20.462	407.50
20080518	19	1992.375	121.45	12.145	241.97
20080518	20	1993.250	110.00	11.000	219.26
20080518	21	1993.250	130.81	13.081	260.74
20080518	22	1992.375	82.75	8.275	164.87
20080518	23	1989.750	85.29	8.529	169.71
20080518	24	1990.625	84.76	8.476	168.73
20080519	1	1987.125	86.92	8.692	172.72
20080519	2	1988.000	77.31	7.731	153.69
20080519	3	1986.250	70.61	7.061	140.25
20080519	4	1987.125	72.41	7.241	143.89
20080519	5	1986.250	73.83	7.383	146.64
20080519	6	1980.125	52.03	5.203	103.03
20080519	7	1979.250	79.22	7.922	156.80
20080519	8	1714.125	87.78	8.778	150.47
20080519	9	1624.000	83.98	8.398	136.38
20080519	10	1624.000	93.11	9.311	151.21
20080519	11	1701.875	90.23	9.023	153.56
20080519	12	1873.375	96.01	9.601	179.86
20080519	13	1847.125	92.05	9.205	170.03
20080519	14	1806.875	96.93	9.693	175.14
20080519	15	1786.750	95.14	9.514	169.99
20080519	16	1755.250	114.49	11.449	200.96
20080519	17	1729.875	92.73	9.273	160.41
20080519	18	1708.000	89.72	8.972	153.24
20080519	19	1694.875	85.67	8.567	145.20
20080519	20	1683.500	86.18	8.618	145.08
20080519	21	1671.250	88.92	8.892	148.61
20080519	22	1661.625	88.04	8.804	146.29
20080519	23	1648.500	79.67	7.967	131.34
20080519	24	1630.125	74.99	7.499	122.24
20080520	1	1631.000	65.89	6.589	107.47
20080520	2	1609.125	61.17	6.117	98.43
20080520	3	1598.625	80.12	8.012	128.08
20080520	4	1592.500	62.14	6.214	98.96
20080520	5	1594.250	80.11	8.011	127.72
20080520	6	1587.250	82.73	8.273	131.31
20080520	7	1575.875	112.99	11.299	178.06
20080520	8	1570.625	101.02	10.102	158.66
20080520	9	1566.250	103.23	10.323	161.68
20080520	10	1561.875	146.85	14.685	229.36
20080520	11	1537.375	110.38	11.038	169.70

DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080520	12	1498.000	104.73	10.473	156.89
20080520	13	1460.375	104.39	10.439	152.45
20080520	14	1424.500	116.06	11.606	165.33
20080520	15	1390.375	121.29	12.129	168.64
20080520	16	1363.250	112.82	11.282	153.80
20080520	17	1337.875	138.38	13.838	185.14
20080520	18	1315.125	90.65	9.065	119.22
20080520	19	1288.000	89.15	8.915	114.83
20080520	20	1275.750	92.29	9.229	117.74
20080520	21	1245.125	99.16	9.916	123.47
20080520	22	1243.375	88.67	8.867	110.25
20080520	23	1216.250	100.11	10.011	121.76
20080520	24	1202.250	121.36	12.136	145.91
20080521	1	1195.250	137.15	13.715	163.93
20080521	2	1183.875	82.87	8.287	98.11
20080521	3	1169.875	77.49	7.749	90.65
20080521	4	1166.375	45.89	4.589	53.52
20080521	5	1146.250	80.36	8.036	92.11
20080521	6	1153.250	44.80	4.480	51.67
20080521	7	1134.000	59.82	5.982	67.84
20080521	8	1142.750	88.37	8.837	100.98
20080521	9	1127.875	99.48	9.948	112.20
20080521	10	1124.375	110.39	11.039	124.12
20080521	11	1106.000	106.75	10.675	118.07
20080521	12	1057.875	94.04	9.404	99.48
20080521	13	1026.375	100.92	10.092	103.58
20080521	14	980.875	104.83	10.483	102.83
20080521	15	959.875	93.32	9.332	89.58
20080521	16	924.000	89.48	8.948	82.68
20080521	17	895.125	90.29	9.029	80.82
20080521	18	882.000	91.34	9.134	80.56
20080521	19	854.875	88.04	8.804	75.26
20080521	20	858.375	87.97	8.797	75.51
20080521	21	826.000	86.86	8.686	71.75
20080521	22	824.250	86.87	8.687	71.60
20080521	23	795.375	80.39	8.039	63.94
20080521	24	794.500	81.05	8.105	64.39
20080522	1	781.375	64.89	6.489	50.70
20080522	2	772.625	39.64	3.964	30.63
20080522	3	761.250	83.58	8.358	63.63
20080522	4	760.375	73.68	7.368	56.02
20080522	5	740.250	47.89	4.789	35.45
20080522	6	746.375	52.81	5.281	39.42
20080522	7	726.250	64.69	6.469	46.98
20080522	8	736.750	93.64	9.364	68.99
20080522	9	715.750	90.19	9.019	64.55
20080522	10	715.750	88.59	8.859	63.41
20080522	11	700.875	87.36	8.736	61.23
20080522	12	699.125	83.43	8.343	58.33
20080522	13	674.625	85.68	8.568	57.80
20080522	14	667.625	91.13	9.113	60.84
20080522	15	664.125	99.40	9.940	66.01
20080522	16	637.000	96.20	9.620	61.28
20080522	17	642.250	93.86	9.386	60.28
20080522	18	628.250	90.98	9.098	57.16
20080522	19	627.375	88.82	8.882	55.72
20080522	20	604.625	89.97	8.997	54.40
20080522	21	620.375	92.84	9.284	57.60
20080522	22	598.500	89.84	8.984	53.77

#039 Clement Dam

DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080522	23	598.500	57.80	5.780	34.59
20080522	24	599.375	69.07	6.907	41.40
20080523	1	598.500	88.65	8.865	53.06
20080523	2	597.625	81.86	8.186	48.92
20080523	3	579.250	72.99	7.299	42.28
20080523	4	592.375	74.76	7.476	44.29
20080523	5	574.000	88.73	8.873	50.93
20080523	6	588.000	74.45	7.445	43.78
20080523	7	571.375	86.89	8.689	49.65
20080523	8	572.250	101.72	10.172	58.21
20080523	9	574.000	101.95	10.195	58.52
20080523	10	574.875	101.57	10.157	58.39
20080523	11	569.625	101.30	10.130	57.70
20080523	12	562.625	94.87	9.487	53.38
20080523	13	564.375	91.41	9.141	51.59
20080523	14	567.875	97.02	9.702	55.10
20080523	15	562.625	100.62	10.062	56.61
20080523	16	552.125	95.63	9.563	52.80
20080523	17	560.875	92.14	9.214	51.68
20080523	18	562.625	89.32	8.932	50.25
20080523	19	565.250	82.64	8.264	46.71
20080523	20	570.500	66.73	6.673	38.07
20080523	21	571.375	88.02	8.802	50.29
20080523	22	568.750	86.25	8.625	49.05
20080523	23	565.250	66.40	6.640	37.53
20080523	24	565.250	74.86	7.486	42.31
20080524	1	565.250	61.75	6.175	34.90
20080524	2	565.250	48.70	4.870	27.53
20080524	3	565.250	65.47	6.547	37.01
20080524	4	565.250	69.85	6.985	39.48
20080524	5	564.375	2.16	0.216	1.22
20080524	6	564.375	0.00	0.000	0.00
20080524	7	564.375	0.00	0.000	0.00
20080524	8	563.500	56.40	5.640	31.78
20080524	9	560.875	86.44	8.644	48.48
20080524	10	554.750	87.30	8.730	48.43
20080524	11	554.750	37.98	3.798	21.07
20080524	12	555.625	83.33	8.333	46.30
20080524	13	560.000	75.32	7.532	42.18
20080524	14	559.125	54.86	5.486	30.67
20080524	15	559.125	58.75	5.875	32.85
20080524	16	558.250	79.87	7.987	44.59
20080524	17	559.125	58.80	5.880	32.88
20080524	18	560.000	84.11	8.411	47.10
20080524	19	559.125	45.95	4.595	25.69
20080524	20	559.125	50.53	5.053	28.25
20080524	21	559.125	89.38	8.938	49.97
20080524	22	554.750	87.34	8.734	48.45
20080524	23	548.625	55.92	5.592	30.68
20080524	24	548.625	59.69	5.969	32.75
20080525	1	549.500	64.24	6.424	35.30
20080525	2	546.875	66.69	6.669	36.47
20080525	3	547.750	28.29	2.829	15.50
20080525	4	547.750	24.72	2.472	13.54
20080525	5	547.750	43.28	4.328	23.71
20080525	6	548.625	56.46	5.646	30.98
20080525	7	548.625	3.05	0.305	1.67
20080525	8	548.625	0.00	0.000	0.00
20080525	9	546.875	0.00	0.000	0.00

#039 Clement Dam

DATE	HOUR	TOTAL KWH	ISO CLEARING	ENERGY PAYMENT
		SOLD	PRICE \$(MWH)	
20080525	10	547.750	23.15	2.315 12.68
20080525	11	541.625	83.08	8.308 45.00
20080525	12	542.500	75.95	7.595 41.20
20080525	13	541.625	77.20	7.720 41.81
20080525	14	541.625	79.60	7.960 43.11
20080525	15	541.625	52.20	5.220 28.27
20080525	16	540.750	84.35	8.435 45.61
20080525	17	540.750	49.52	4.952 26.78
20080525	18	534.625	38.00	3.800 20.32
20080525	19	534.625	70.72	7.072 37.81
20080525	20	534.625	49.80	4.980 26.62
20080525	21	534.625	69.40	6.940 37.10
20080525	22	535.500	51.43	5.143 27.54
20080525	23	534.625	83.34	8.334 44.56
20080525	24	535.500	74.73	7.473 40.02
20080526	1	534.625	25.79	2.579 13.79
20080526	2	535.500	1.69	0.169 0.90
20080526	3	536.375	0.00	0.000 0.00
20080526	4	535.500	0.00	0.000 0.00
20080526	5	536.375	0.00	0.000 0.00
20080526	6	537.250	65.51	6.551 35.20
20080526	7	536.375	64.02	6.402 34.34
20080526	8	537.250	41.88	4.188 22.50
20080526	9	538.125	27.65	2.765 14.88
20080526	10	537.250	89.25	8.925 47.95
20080526	11	536.375	88.78	8.878 47.62
20080526	12	537.250	85.23	8.523 45.79
20080526	13	519.750	83.93	8.393 43.62
20080526	14	515.375	88.49	8.849 45.61
20080526	15	500.500	94.01	9.401 47.05
20080526	16	501.375	92.12	9.212 46.19
20080526	17	500.500	93.45	9.345 46.77
20080526	18	505.750	94.65	9.465 47.87
20080526	19	518.000	93.81	9.381 48.59
20080526	20	517.125	90.96	9.096 47.04
20080526	21	517.125	106.15	10.615 54.89
20080526	22	518.000	88.42	8.842 45.80
20080526	23	523.250	77.16	7.716 40.37
20080526	24	525.875	50.35	5.035 26.48
20080527	1	525.000	88.58	8.858 46.50
20080527	2	525.875	84.06	8.406 44.21
20080527	3	525.875	78.05	7.805 41.04
20080527	4	525.000	61.55	6.155 32.31
20080527	5	525.875	72.58	7.258 38.17
20080527	6	532.875	66.73	6.673 35.56
20080527	7	532.000	58.42	5.842 31.08
20080527	8	520.625	99.93	9.993 52.03
20080527	9	518.875	145.49	14.549 75.49
20080527	10	518.875	178.98	17.898 92.87
20080527	11	518.875	330.28	33.028 171.37
20080527	12	518.875	351.91	35.191 182.60
20080527	13	518.875	203.09	20.309 105.38
20080527	14	508.375	222.54	22.254 113.13
20080527	15	508.375	169.04	16.904 85.94
20080527	16	508.375	112.70	11.270 57.29
20080527	17	510.125	175.77	17.577 89.66
20080527	18	510.125	171.07	17.107 87.27
20080527	19	536.375	186.06	18.606 99.80
20080527	20	522.375	119.59	11.959 62.47

#039 Clement Dam

DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080527	21	524.125	149.06	14.906	78.13
20080527	22	532.000	112.07	11.207	59.62
20080527	23	523.250	89.84	8.984	47.01
20080527	24	524.125	69.74	6.974	36.55
20080528	1	524.125	95.38	9.538	49.99
20080528	2	525.000	86.66	8.666	45.50
20080528	3	525.000	78.60	7.860	41.27
20080528	4	525.000	84.04	8.404	44.12
20080528	5	525.000	136.51	13.651	71.67
20080528	6	525.000	87.10	8.710	45.73
20080528	7	518.875	79.92	7.992	41.47
20080528	8	512.750	93.97	9.397	48.18
20080528	9	519.750	93.86	9.386	48.78
20080528	10	522.375	93.52	9.352	48.85
20080528	11	510.125	91.99	9.199	46.93
20080528	12	501.375	92.47	9.247	46.36
20080528	13	517.125	94.19	9.419	48.71
20080528	14	516.250	97.27	9.727	50.22
20080528	15	515.375	95.10	9.510	49.01
20080528	16	515.375	99.24	9.924	51.15
20080528	17	508.375	103.19	10.319	52.46
20080528	18	502.250	113.82	11.382	57.17
20080528	19	514.500	91.01	9.101	46.82
20080528	20	516.250	92.71	9.271	47.86
20080528	21	516.250	119.18	11.918	61.53
20080528	22	516.250	99.86	9.986	51.55
20080528	23	516.250	88.18	8.818	45.52
20080528	24	515.375	101.50	10.150	52.31
20080529	1	516.250	82.88	8.288	42.79
20080529	2	515.375	77.82	7.782	40.11
20080529	3	512.750	77.59	7.759	39.78
20080529	4	503.125	91.31	9.131	45.94
20080529	5	504.000	87.47	8.747	44.08
20080529	6	504.875	76.53	7.653	38.64
20080529	7	514.500	82.77	8.277	42.59
20080529	8	505.750	86.99	8.699	44.00
20080529	9	497.000	90.94	9.094	45.20
20080529	10	496.125	92.80	9.280	46.04
20080529	11	497.000	122.83	12.283	61.05
20080529	12	491.750	104.22	10.422	51.25
20080529	13	481.250	121.97	12.197	58.70
20080529	14	482.125	117.48	11.748	56.64
20080529	15	482.125	136.84	13.684	65.97
20080529	16	481.250	136.42	13.642	65.65
20080529	17	477.750	124.69	12.469	59.57
20080529	18	477.750	117.20	11.720	55.99
20080529	19	477.750	92.21	9.221	44.05
20080529	20	482.125	113.37	11.337	54.66
20080529	21	486.500	192.83	19.283	93.81
20080529	22	497.000	145.97	14.597	72.55
20080529	23	496.125	84.70	8.470	42.02
20080529	24	485.625	78.40	7.840	38.07
20080530	1	485.625	76.13	7.613	36.97
20080530	2	486.500	53.36	5.336	25.96
20080530	3	485.625	106.04	10.604	51.50
20080530	4	486.500	94.10	9.410	45.78
20080530	5	485.625	94.26	9.426	45.78
20080530	6	491.750	63.13	6.313	31.04
20080530	7	490.875	56.91	5.691	27.94

#039 Clement Dam

DATE	HOUR	TOTAL KWH SOLD	ISO CLEARING PRICE \$(MWH)	¢(KWH)	ENERGY PAYMENT
20080530	8	486.500	87.40	8.740	42.52
20080530	9	482.125	112.43	11.243	54.21
20080530	10	481.250	136.03	13.603	65.46
20080530	11	483.000	122.67	12.267	59.25
20080530	12	485.625	105.98	10.598	51.47
20080530	13	485.625	93.01	9.301	45.17
20080530	14	483.000	90.39	9.039	43.66
20080530	15	475.125	112.89	11.289	53.64
20080530	16	474.250	105.95	10.595	50.25
20080530	17	472.500	122.93	12.293	58.08
20080530	18	473.375	119.18	11.918	56.42
20080530	19	476.000	95.73	9.573	45.57
20080530	20	482.125	90.54	9.054	43.65
20080530	21	481.250	112.24	11.224	54.02
20080530	22	479.500	101.79	10.179	48.81
20080530	23	472.500	125.36	12.536	59.23
20080530	24	471.625	140.81	14.081	66.41
20080531	1	474.250	84.97	8.497	40.30
20080531	2	480.375	62.54	6.254	30.04
20080531	3	480.375	78.40	7.840	37.66
20080531	4	479.500	50.36	5.036	24.15
20080531	5	474.250	88.75	8.875	42.09
20080531	6	470.750	84.12	8.412	39.60
20080531	7	476.875	46.40	4.640	22.13
20080531	8	483.875	54.16	5.416	26.21
20080531	9	483.875	102.93	10.293	49.81
20080531	10	483.875	130.13	13.013	62.97
20080531	11	490.000	120.67	12.067	59.13
20080531	12	490.875	109.12	10.912	53.56
20080531	13	493.500	113.93	11.393	56.22
20080531	14	493.500	111.66	11.166	55.10
20080531	15	494.375	113.81	11.381	56.26
20080531	16	493.500	119.82	11.982	59.13
20080531	17	492.625	127.56	12.756	62.84
20080531	18	489.125	123.68	12.368	60.49
20080531	19	489.125	112.25	11.225	54.90
20080531	20	490.000	117.19	11.719	57.42
20080531	21	489.125	136.40	13.640	66.72
20080531	22	490.000	104.70	10.470	51.30
20080531	23	489.125	96.68	9.668	47.29
20080531	24	484.750	97.40	9.740	47.21
Total Energy				Energy Payment	
1126364.750				\$118,451.50	

May 2008

Average Rate from ISO for the month

Average ISO rates for New Hampshire							\$0.10132		
	Site	Batch #1	Rate as per our Estimate	Estimated Capacity \$	Amount to be received as per estimation	PSNH Statement Reading	Rate Paid on Statement	Actual Capacity \$	Revenue
601	Clement	1,150,000	\$0.06100	\$6,981.82	\$77,131.82	1,126,365	\$0.10520	\$6,981.82	\$125,433.32
602	Gregg's								
604	Pembroke								
605	River Bend	793,000	\$0.06100	\$5,207.27	\$53,580.27	778,970	\$0.10480	\$5,207.27	\$86,864.50
606	Stevens Mill	71,050	\$0.06100	\$654.55	\$4,988.60	68,182	\$0.11160	\$654.55	\$8,261.39
608	Milton								
609	Mine Falls	1,326,000	\$0.06100	\$8,727.27	\$89,613.27	1,278,347	\$0.10690	\$8,727.27	\$145,321.05
705	Lakeport								
706	Lochmere								

MAY PSNH Inv.	CLEM	\$ 6,981.82
	GREG	\$ 9,600.00
	PEMB	\$ 5,570.91
	RIVE	\$ 5,207.27
	STEV	\$ 654.55
	MIL	\$ 4,392.73
	MINE	\$ 8,727.27
	LAKE	\$ 1,890.91
	LOCH	\$ 2,981.82

**March
2008 Capacity**



2845 Bristol Circle,
Oakville, Ontario, L6H 7H7
Tel 905-465-4500; Fax 905-465-4500

Via E-mail

Date: June 4, 2008

File: 601.7.3

From: Doina Tomescu
Algonquin Power Systems Inc.
Tel: (905) 465-4532 Fax: (905) 465-4514

To: Danielle Martineau
Public Service of New Hampshire
Fax: (603) 634-2449

Re: CLEMENT DAM G.S. (PSNH #039)

Total Pages: (2)

Dear Danielle:

Please find enclosed the approved invoice for the period of May 1, 2008 through May 31, 2008 for the above mentioned generating station. The original will be forwarded by mail to your attention.

Should you have any questions/concerns regarding the above, please contact the undersigned at (905) 465-4532, at your earliest convenience.

Best regards,
Doina Tomescu

Doina Tomescu

From: Doina Tomescu
Sent: June 4, 2008 3:05 PM
To: 'martide@nu.com'
Subject: PSNH inv - B1 May '08

Attachments: PSNH inv - Batch 1 May 2008.pdf



PSNH inv - Batch 1
May 2008.pdf...

Hi Danielle,
Here is today's batch.
Thank you.

Best regards,
Doina Tomescu
Algonquin Power
Phone: (905) 465-4532

Contract for the Purchase and Sale of
Electric Energy

Clement Dam Development, Inc. - PSNH

Dated March 25, 1984

PSNH INTERCONNECTION REPORT FOR

CUSTOMER GENERATION

CLEMENT DAM

SESD SITE NO. 039

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I. INTRODUCTION

A study has been performed to determine the impact of this proposed facility on the PSNH system. All technical analysis was based on the equipment listed under Section II, and the facility arrangement illustrated on partial one-line diagram SK-PCM-039-0. Where actual site-specific data was not readily available, estimated or "typical" values were utilized in any required calculations. Any deviation from the listed equipment of the illustrated configuration may have significant safety and/or technical ramifications. Consequently, if changes are anticipated now or in the future, PSNH should be informed immediately so that the requirements and recommendations contained within the report may be revised where necessary. This procedure will ensure that the Developer is informed of PSNH requirements in a timely fashion and should eliminate the delays and expense which could otherwise be experienced by the Developer.

II. DESCRIPTION OF MAJOR COMPONENTS

A. Description Of Facilities

Clement Dam Hydro is a single unit, 2400 kW hydro development located in Tilton, New Hampshire. The PSNH Tilton tap (3798) off the 398 line will be the interconnecting point. Station service will be taken from a separate point on the Tilton tap feeding a 75 kVA three-phase transformer bank with 277/480 V low voltage windings.

The New Hampshire Water Resources Board dam number is 237.01.

Sketch SK-PCM-039-0 shows the facility layout in one-line fashion.

B. Mechanical Components

1. Turbine - Axel Johnson, horizontal full Kaplan, 2600 kW at 29.5' net head.
2. Governor - Axel Johnson, works off P.C.

C. Electrical Components

1. Generator - Siemens Allis synchronous, 225 RPM. 4.16 kV, 2400 kW at 90% PF. $X''d = .38$ pu and $X'd = .42$ pu on 2667 kVA.
2. Exciter - Static, Siemens Allis, 250 VDC.
3. Voltage Regulator - Basler system, Model SSE-250-33 kW.
4. Circuit Breaker - McGraw Edison, 34.5 kV type VSO, 12,000A symmetrical interrupting rating.
5. Generator Step Up - McGraw Edison 3000 kVA, 19.9/34.5 kV grounded wye to 4.16 kV Delta, 200 kV BIL.

6. Neutral Grounding Reactor - 28 ohms at 60 Hz, 20A continuous, 350A Isc for 10 seconds.

III. PSNH REQUIREMENTS - GENERAL

A. Safety Considerations

1. The connection of the facility to the PSNH system must not compromise the safety of PSNH's customers, personnel, or the owner's personnel.
2. The generating facility must not have the capability of energizing a de-energized PSNH circuit.
3. An emergency shutdown switch with facility status indicator lights, and a disconnecting device with a visible open shall be made available for unrestricted use by PSNH personnel. The operation of the switch shall cause all of the facility's generation to be removed from service, and shall block all automatic startup of generation until the switch is reset. The status lights, mounted with the shutdown switch, shall be located outdoors at a position acceptable to PSNH operating division personnel. A red light shall indicate that the facility has generation connected to the PSNH system. A green light shall indicate that all generation is disconnected from the PSNH system. At Clement Dam, the VSO recloser control will provide remote trip and indication. The disconnecting device with visible open shall be located between the PSNH system and the facility's generation.
4. The settings for all protective relays required by PSNH will be developed by PSNH.
5. A crew of PSNH relay technicians will apply settings to and verify the proper functioning of those protective systems required by PSNH. This work will be performed at the Developer's expense.
6. The generating facility has full responsibility for ensuring that the protective system and the associated devices are maintained in reliable operating condition. PSNH reserves the right to inspect and test all protective equipment at the interconnecting point whenever it is considered necessary. This inspection may include tripping of the breakers.
7. The short circuit interrupting device(s) must have sufficient interrupting capacity for all faults that might exist. The PSNH system impedance at the facility will be supplied on request.
8. All shunt-tripped short circuit interrupting devices applied to generators must be equipped with reliable power sources. A D.C. battery with associated charging facilities is considered a reliable source.

9. All synchronous generator facilities must be equipped with battery-tripped circuit breakers.
10. Any protection scheme utilizing AC control power must be designed in a fail-safe mode. That is, all protective components must utilize contacts which are closed during normal operating conditions, but which open during abnormal conditions or when control power is lost to de-energize the generator contactor coil. These schemes may be utilized only with non-latching contactors and may not be used with synchronous generators.
11. A complete set of AC and DC elementary diagrams showing the implementation of all systems required by PSNH must be supplied for PSNH review. These drawings should be supplied as soon as possible so that any non-conforming items may be corrected by the Developer without impacting the scheduled completion date of the facility.
12. All voltage transformers driving PSNH-required protection systems must be rated by the manufacturer as to accuracy class, and must be capable of driving their connected burdens with an error not exceeding 1.2 percent.
13. All current transformers driving PSNH-required protection systems must be rated by the manufacturer as to accuracy class and must be capable of driving their connected burdens with an error not exceeding 10 percent.
14. All PSNH-required protective relays, and any other relays which PSNH will be requested to test, must be equipped with test facilities which allow secondary quantity injection and output contact isolation.
15. It is not the policy of PSNH to maintain a stock of protective relays for resale to facility developers. Since many protective devices have delivery times of several months, Developers are strongly advised to order them as soon as possible after PSNH type-approval is received.
16. Protection of the generating facility equipment for problems and/or disturbances which might occur internal or external to the facility is the responsibility of the Developer.
17. No operation of the facility's generation is allowed until all requirements in Sections III and IV of this report have been met, and all systems required therein, are in place, calibrated, and, if applicable, proven functional. This requirement may be waived by PSNH for a given system if generation is required to demonstrate the proper functioning of that system.

B. Service Quality Considerations

1. The connection of the facility to the PSNH system must not reduce the quality of service currently existing on the PSNH system. Voltage fluctuations, flicker, and excessive voltage and current harmonic content are among the service quality considerations. Harmonic limitations should conform to the latest IEEE guidelines and/or ANSI standards.
2. In general, induction generators must be accelerated to "synchronous" speed prior to connection to the PSNH system to reduce the magnitude and duration of accelerating current and resulting voltage drop to PSNH customers to acceptable levels.
3. In general, synchronous generators may not use the "pull-in" method of synchronizing due to excessive voltage drops to PSNH customers.
4. Power factor correction capacitors may be required for some facilities either at the time of initial installation, or, at some later date. The installation will normally be done by the Developer at his expense.
5. Certain facilities having installed capacity similar in magnitude to connected circuit load may require that control modifications be made to tap changers in the electrical vicinity. Should they be necessary, the modification will be made at the Developers' expense.
6. Automatic reclosing of the PSNH circuit after a tripping operation will occur after an appropriate time delay. If voltage blocking of automatic reclosing is required, it will be added at the Developers' expense. See section V.A.3 for estimated prices.

C. Metering Considerations

1. Except for protection/control and metering voltage sensing, and generator and/or capacitor contactor supply voltage, all station service AC shall be taken from the station service transformers.
2. The following is a list of information which should be available to the PSNH Power Supply Department for generators of this size.
 - Report on a daily basis, twenty-four hours of hourly generation. Values are to be reported in tenths of a MWH. Hourly generation is the gross of net value as agreed upon in the contract.
 - Report a meter reading on a weekly basis to correct any discrepancies in the hourly totals.
 - Provide on a monthly basis, a printed log of date, time and hourly generation for each day of the month. Metering required for watthour records will be either magnetic tape or electronic recorders as specified in CRS #13.

- The Station Operator is to report expected output for the following day, outage and return times, and significant limitations to the PSNH Dispatcher.
- The dates planned for annual inspection along with any flexibility in the planned period should be available to PSNH in accordance with NEPEX Operating Procedure #5.
- Using monthly meter readings, submit a calculated bill for generation supplied to PSNH.

IV. PSNH REQUIREMENTS - SPECIFIC

A. System Configuration and Protection

1. The facility must be arranged and equipped as per partial one line diagram SK-PCM-039-0.
2. The following protective functions must be supplied and connected to automatically trip the generator breaker. These devices must be utility grade as approved by PSNH.

51 V - Voltage restrained overcurrent
 810/U - Over/Under frequency
 27/59 - Over/Under voltage
 VSO - Ground Fault Sensing

3. The facility generator stepup transformer (GSU) must have a GR. wye (w/reactor) to Delta winding configuration.
4. The neutral reactor will be 28 ohms at 60 Hz, 20A continuous, with an ISC capability of 350A symmetrical for 10 seconds. It will be rated 34.5 kV with a 200 kV BIL.
5. The high side interrupter will be McGraw Edison type VSO, 34.5 kV. The following VSO elements, with Developer specified equipment, are required by PSNH.

Extra Creepage Bushings
 Instantaneous Lockout Accessory
 Phase Multiples: 11.2X
 Ground Multiples: 16X
 Phase Trip: 100A
 Ground Trip: 25A
 No #1 socket plugs, phase or ground
 #2 socket plugs: Phase "Y", Ground #14
 Reclosing Interval: 30 Seconds
 Reset Delay: 120 Seconds

B. System Metering

1. The facility must be equipped with the metering system as shown on partial one line diagram SK-PCM-039-0.
2. The metering must consist of the following components or approved equivalent.

1. 1 - JEM-2 multifunction meter, 3 phase, 3 wire, 2 stator, m class 10, 120V, VTR = 4200/120, CTR = 500/5, with transformer loss compensation option.
2. 1 - Watthour pulse data collector, Form A input, Precision Digital 1045-2C-SC-N-N.
3. 2 - Current transformers, CTR = 500/5, Accuracy class 0.3B0.5.
4. 2 - Potential transformers, VTR = 4200/120, 2 primary fuses, GE type JVM-3, accuracy class 0.3 @ burdens W, X, M and Y.
5. 1 - 10 pole test switch, Meter Devices cat. no. A1989-C or equivalent.

NOTE: Item 5 is necessary to permit isolating CT and VT secondaries for testing. This function may be provided by other test devices either separately mounted or furnished within a switchboard case.

C. Primary Interconnection

The only local change required to the PSNH primary is the connection of the Developer's three phase switch to the PSNH 3798 line near Tilton S/S.

In addition to reclosing changes previously mentioned, modifications to the controls at Laconia S/S may be required for reverse power conditions. See Item V.A.4 for estimated expenses.

V. PSNH PRICE ESTIMATES

The following estimates for labor, materials, and overheads are supplied as an aid to the Developer for financial planning purposes. Should the Developer elect to have PSNH perform any of the work described in the estimates, he will ultimately be billed for the full actual cost of any work performed.

Authorization for PSNH to perform any of the work or supply any of the equipment described below must be forwarded to the Manager - Supplemental Energy Sources Department along with a minimum payment covering 50% of the estimated labor and materials cost. PSNH will neither perform work nor order materials until this requirement has been met.

A. System Protection

1. The Developer is providing all system protection equipment.

2. Estimated labor and overheads to apply settings and trip test all PSNH required protective relays.

Sub Total \$ 1200.

3. Developer's expense for PSNH to modify the reclosing at Laconia S/S and at Webster S/S to prevent reclosing on an energized line.

Sub Total \$ 1900.

4. Developer's expenses for PSNH to make control circuit changes and add protection to accommodate reverse power flow at Laconia S/S.

Sub Total \$ 3300.

Section A Total \$ 6400.

B. System Metering

1. Labor to test the JEM-2, verify compensation, verify connections, vector analysis and supervision of the metering installation

Sub Total \$ 250.

Section B Total \$ 250.

C. Primary Interconnection

1. The first pole on the 3798 Line in back of our Tilton S/S will be changed for extra height. Public Service will construct, own and maintain a 34.5 kV wire bus from this pole across a dirt road to the delivery point at the Developer's first pole installed by Seaward Construction and owned and maintained by others.

In addition, the VSO recloser ME control will be tested.

Estimated Labor and Materials Sub Total \$ 5670.

2. Engineering work, including meetings, specifications and design of structure.

Sub Total \$ 2000.

Section C Total \$ 7670.

Grand Total (A + B + C) \$14320.

VI. INTERCONNECTION EQUIPMENT OWNERSHIP, OPERATION, AND MAINTENANCE

A. Delivery Point

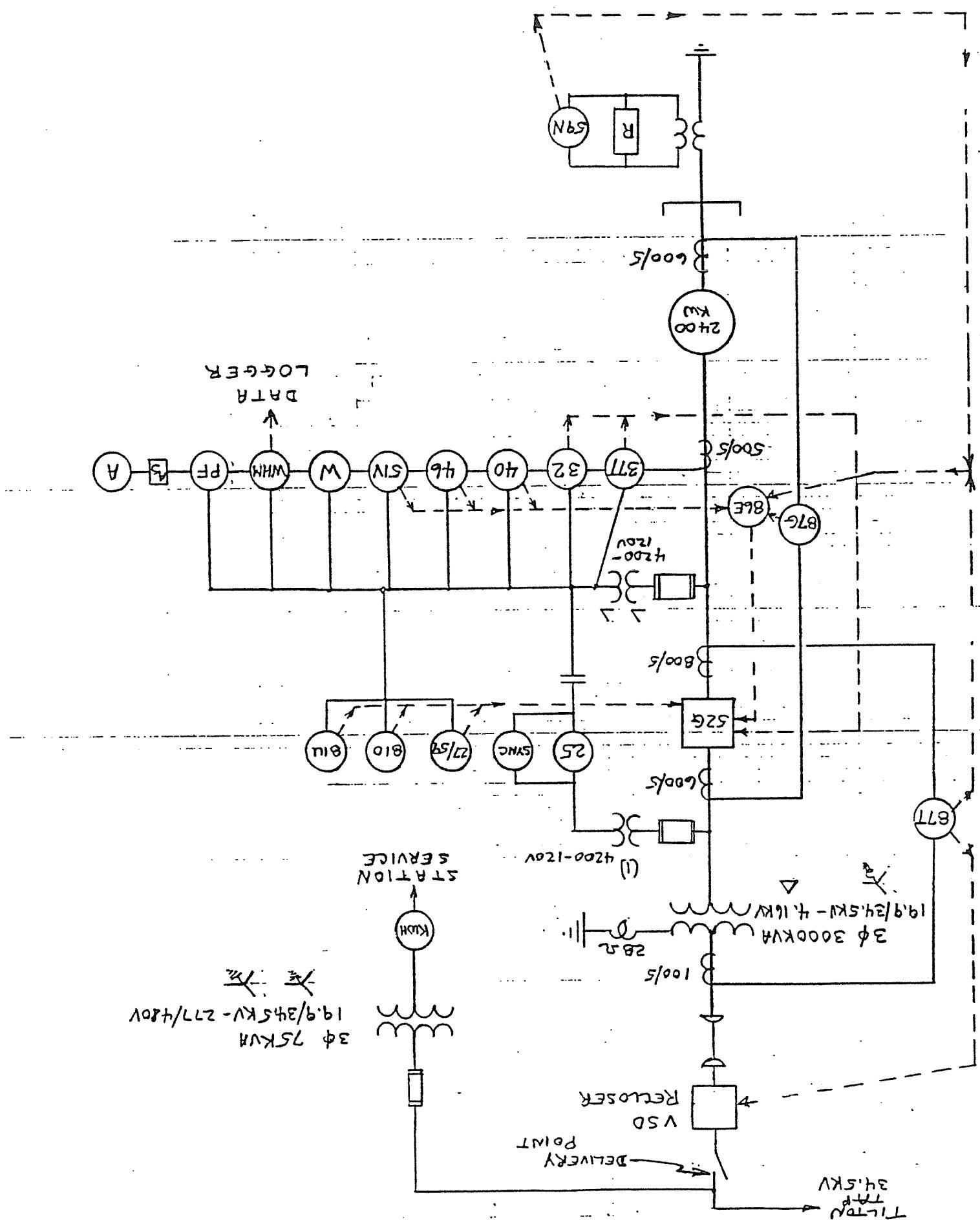
The delivery point for this project is the point where the PSNH tap connects to the structure supporting the three phase airbreak.

- B. The Developer will own, maintain and be responsible for all equipment from the Delivery Point into and throughout the plant.

VII. DRAWINGS

Attached is sketch SK-PCM-039-0.

P. C. Martin
12/28/84



REPORT SECTION VII

SK-PCM-039-0
LEEF #039
SUBJECT CLEMENT DAW HYDRO

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